

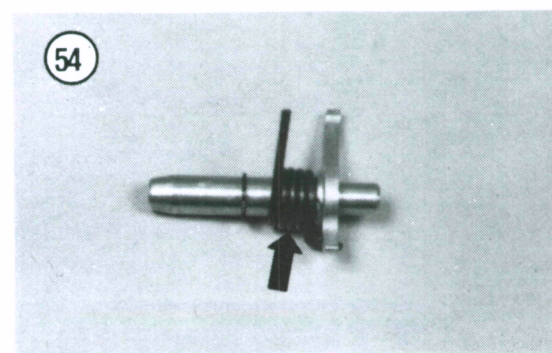
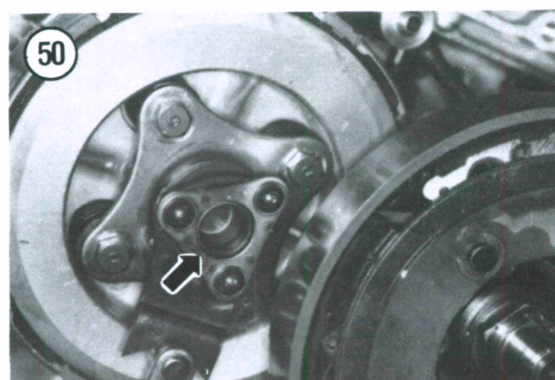
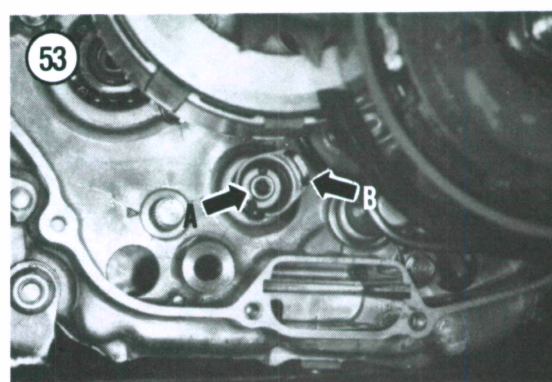
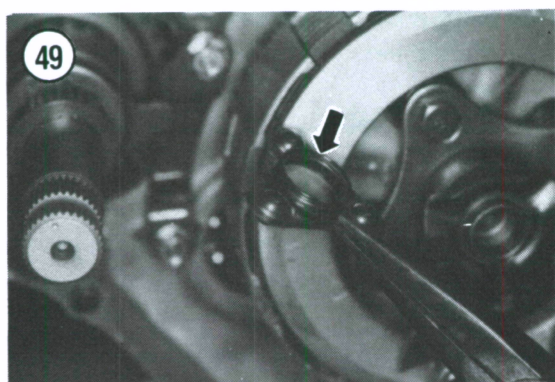
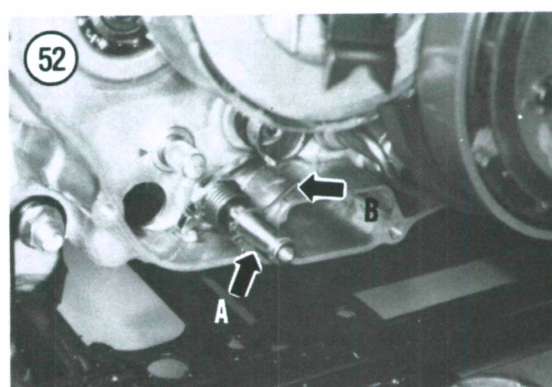
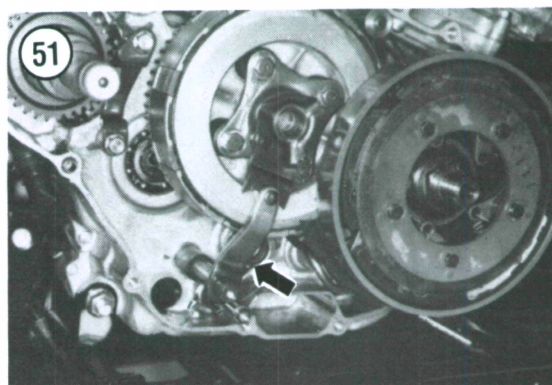
7. Position the ball retainer with the return flange (Figure 49) facing toward the clutch lifter cam and install the ball retainer (Figure 50).
8. Install the right-hand crankcase cover as described in Chapter Four.
9. Refill the engine with the correct type and quantity oil as described in Chapter Three.
10. Adjust the clutch as described in Chapter Three.

REVERSE LOCK MECHANISM

Removal/Inspection

Refer to Figure 39 for this procedure.

1. Remove the right-hand crankcase cover as described in Chapter Four.
2. Remove the thrust washer and the clutch lever (Figure 51).
3. Remove the reverse shaft arm, spring and thrust washer (A, Figure 52).
4. Remove the bolt (A, Figure 53) securing the neutral/reverse rotor.



- 5. Remove the neutral/reverse rotor (B, **Figure 53**) and reverse stopper plate. Don't lose the pins in the end of the shift drum.
- 6. Inspect the return spring (**Figure 54**) on the reverse shaft arm for wear or distortion, replace as necessary.

Installation

- 1. Align the holes in the reverse stopper plate with the pins in the end of the shift drum and install the plate.
- 2. Align the holes in the neutral/reverse rotor with the pins in the end of the shift drum and install the neutral/reverse rotor (B, **Figure 53**).
- 3. Install the bolt (A, **Figure 53**) securing the arm and rotor and tighten securely.
- 4. Use the gearshift lever and shift the transmission through the gears. Check for smooth operation of the arm and rotor.
- 5. Make sure the washer (**Figure 55**) is installed on the end of the reverse shaft arm and install the shaft and spring (**Figure 56**).
- 6. Using a flat-bladed screwdriver, move the reverse shaft arm spring onto the top surface (B, **Figure 52**) of the oil filter screen housing in the crankcase.
- 7. Align the index mark on the clutch lever with the raised arrow (**Figure 47**) on the crankcase and install the clutch lever.
- 8. Install the thrust washer (**Figure 48**) onto the clutch lever.
- 9. Install the right-hand crankcase cover as described in Chapter Five.
- 10. Refill the engine with the recommended type and quantity of engine oil as described in Chapter Three.

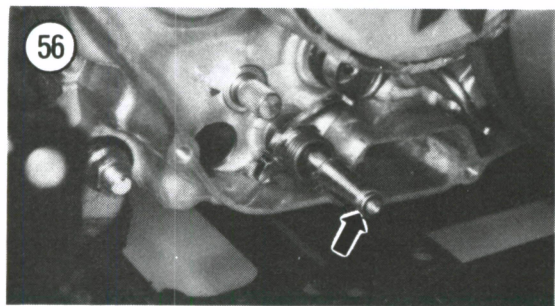
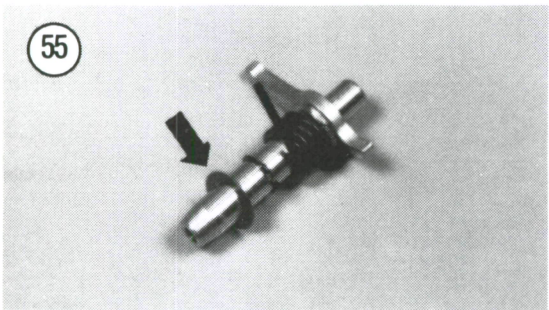


Table 1 CLUTCH SPECIFICATIONS

Item	Standard	Wear Limit
MANUAL CLUTCH		
Friction disc thickness	2.62-2.78 mm (0.103-0.109 in.)	2.3 mm (0.09 in.)
Clutch plate warpage	—	0.2 mm (0.008 in.)
Clutch disc warpage	—	0.2 mm (0.008 in.)
Clutch springs free length	32.1 mm (1.26 in.)	31.0 mm (1.22 in.)
Clutch outer housing guide		
OD	27.959-27.980 mm (1.1007-1.1016 in.)	27.92 mm (1.099 in.)
ID	22.000-22.021 mm (0.8661-0.8670 in.)	22.05 mm (0.868 in.)
Transmission shaft OD where clutch outer housing rides	—	21.93 mm (0.863 in.)
CENTRIFUGAL CLUTCH		
Clutch drum ID	140 mm (5.5 in.)	140.2 mm (5.52 in.)
Clutch weight lining thickness	3.0 mm (0.12 in.)	2.0 mm (0.08 in.)
Spring free height	3.1 mm (0.12 in.)	2.95 mm (0.116 in.)

Table 2 CLUTCH TIGHTENING TORQUES

Item	N•m	ft.-lb.
Clutch locknut		
Manual	110	80
Centrifugal	120	87
Clutch bolts (manual)	12	9

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